

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081720\
 Data File : VL035424.D
 Acq On : 17 Aug 2020 16:45
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

MMDadoda
 8/20/2020 11:05:44 AM

Quant Time: Aug 17 17:19:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 2020
 QLast Update : Mon Aug 17 09:05:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1153110	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	5089860	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5045874	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3630890	8.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.26	62	10145	0.128	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	27719	0.137	ppbv #	91
35) Carbon Tetrachloride	7.03	117	25427m	0.067	ppbv	
38) Trichloroethene	7.85	130	22445	0.112	ppbv #	80
52) Tetrachloroethene	11.25	164	24203m	0.132	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.72	83	38563m	0.072	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

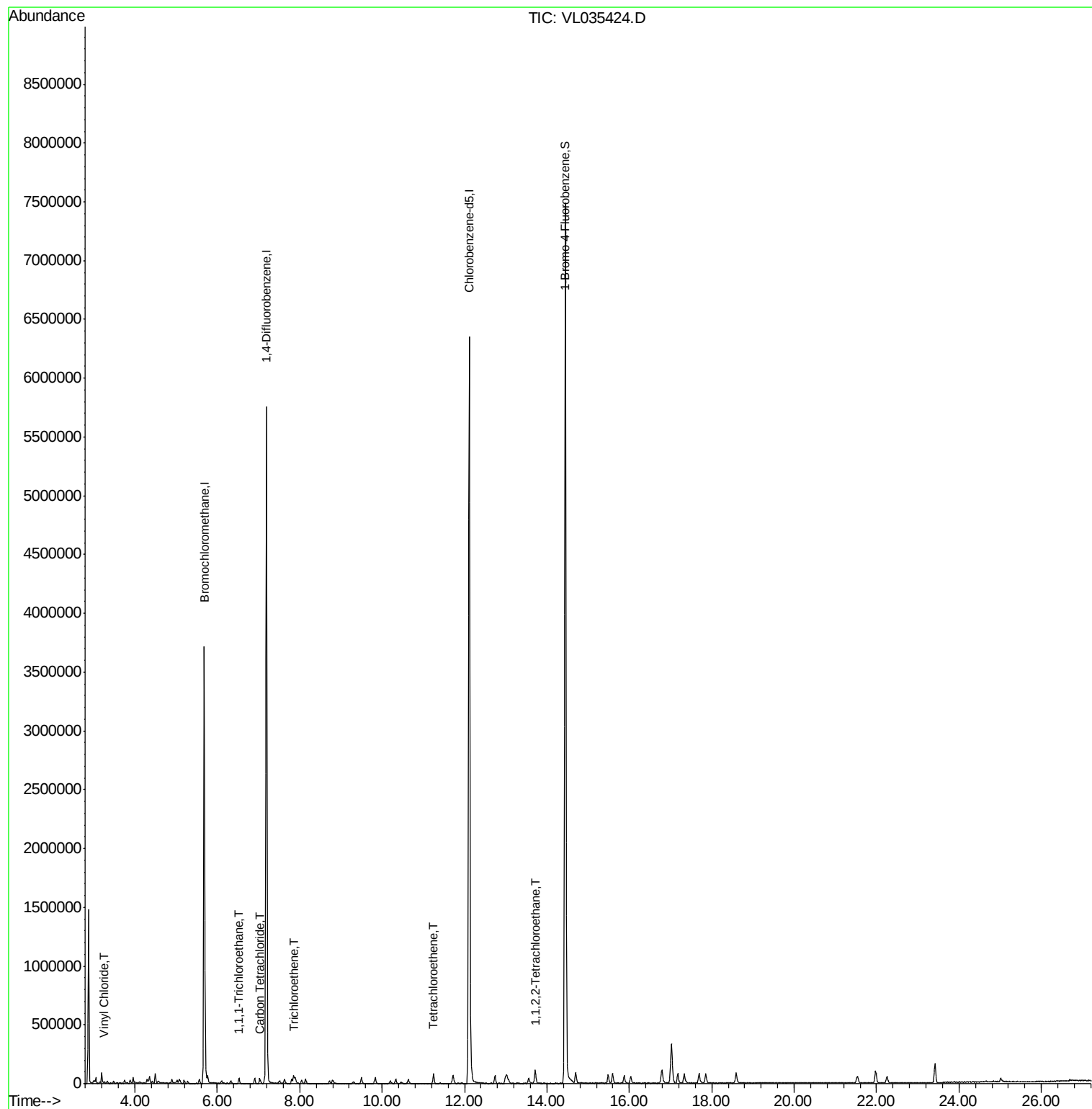
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081720\
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QLast Update : Mon Aug 17 09:05:17 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL035424.D

Acq: 17 Aug 2020 16:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 49 Resp: 1153110

Ion Ratio Lower Upper

49 100

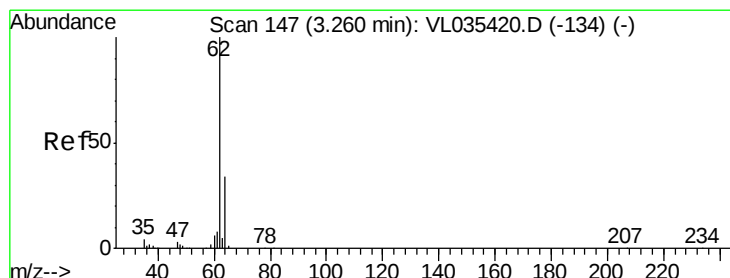
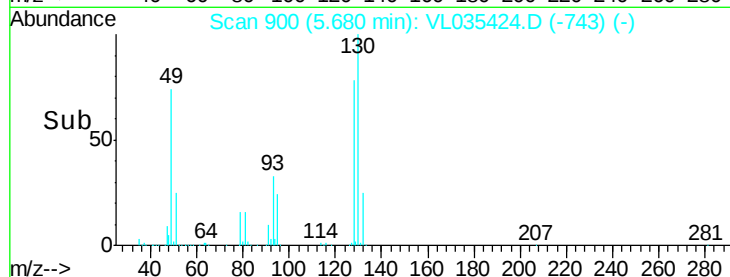
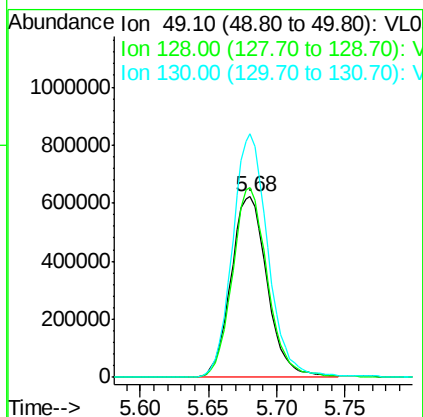
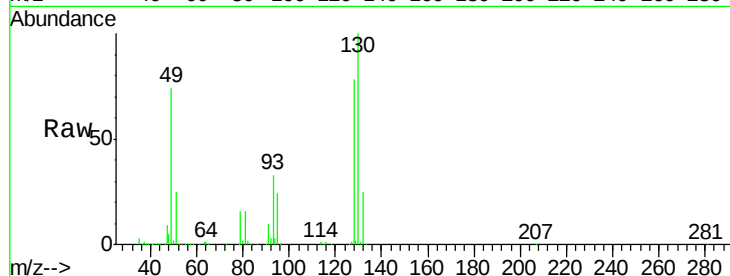
128 102.2 20.9 62.7#

130 132.7 26.7 80.1#

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#5

Vinyl Chloride

Concen: 0.128 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL035424.D

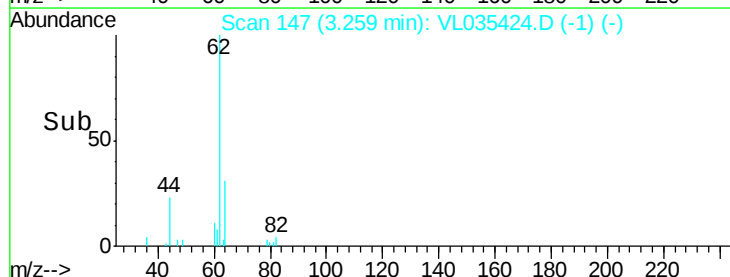
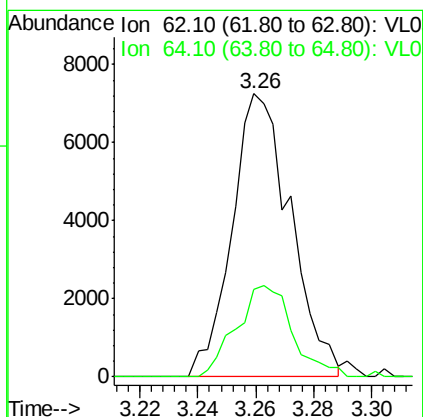
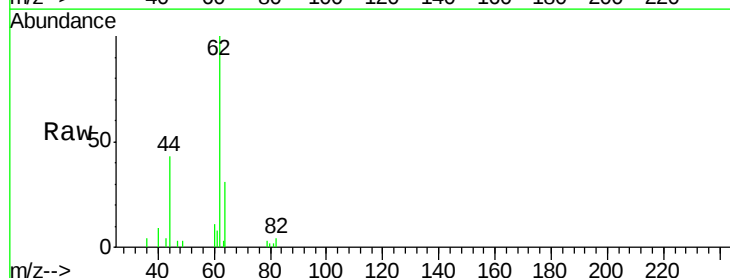
Acq: 17 Aug 2020 16:45

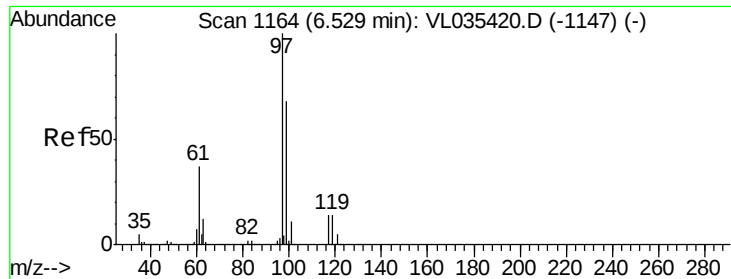
Tgt Ion: 62 Resp: 10145

Ion Ratio Lower Upper

62 100

64 30.9 25.0 37.4





#32

1,1,1-Trichloroethane

Concen: 0.137 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VL035424.D

Acq: 17 Aug 2020 16:45

Instrument :

MSVOA_L

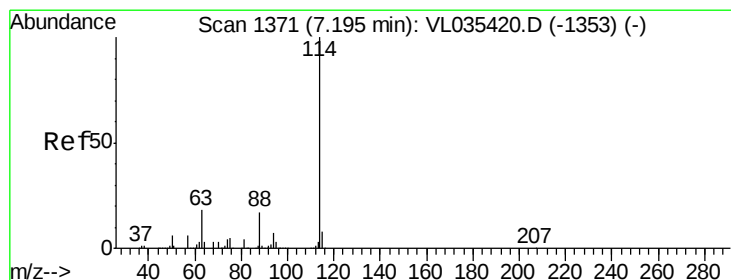
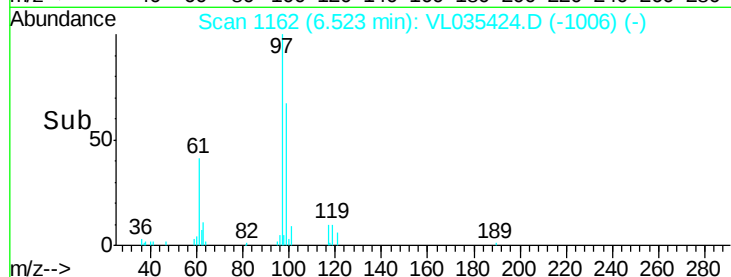
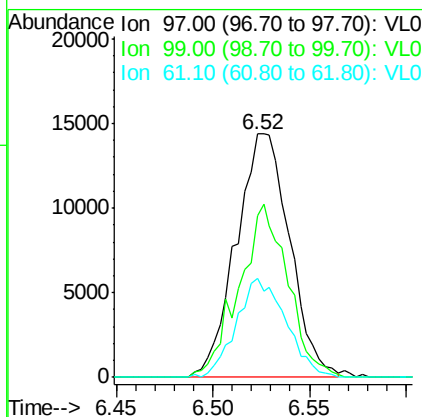
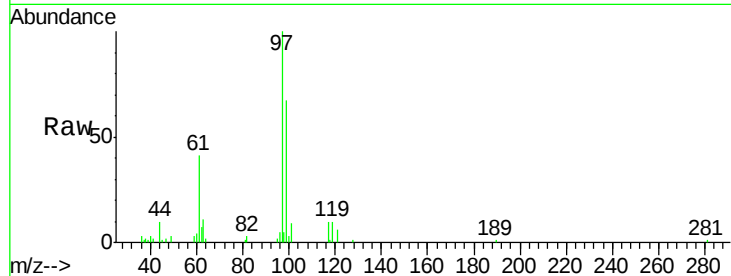
ClientSampleId :

VSTDIC0.1

Tot Ion:	97	Resp:	27719
Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.4	77.0
61	37.6	41.0	61.6#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

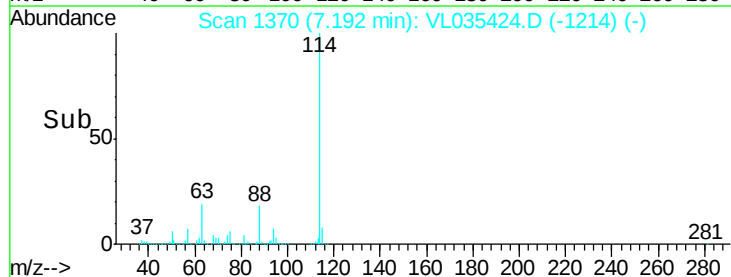
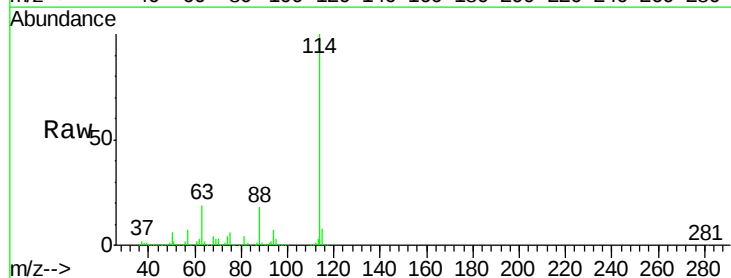
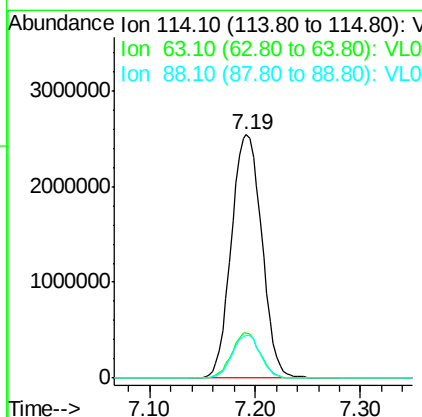
RT: 7.19 min Scan# 1370

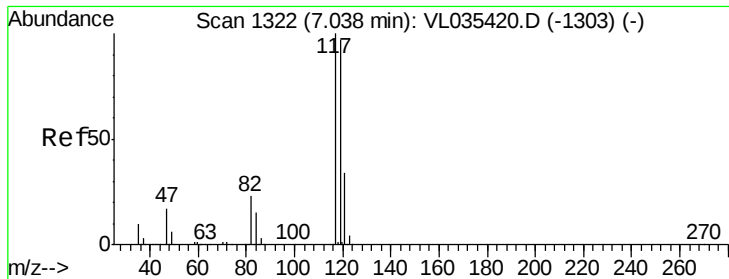
Delta R.T. 0.00 min

Lab File: VL035424.D

Acq: 17 Aug 2020 16:45

Tgt Ion:	114	Resp:	5089860
Ion	Ratio	Lower	Upper
114	100		
63	17.3	23.1	34.7#
88	16.5	15.9	23.9





#35

Carbon Tetrachloride

Concen: 0.067 ppbv m

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL035424.D

Acq: 17 Aug 2020 16:45

Instrument :

MSVOA_L

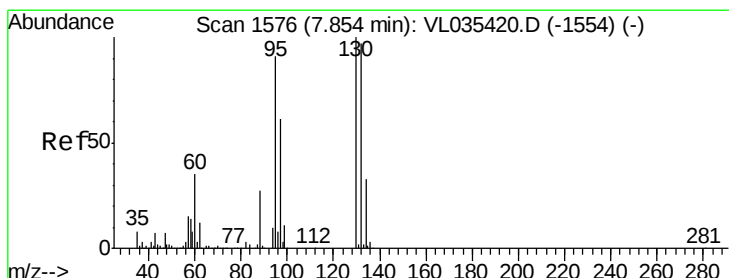
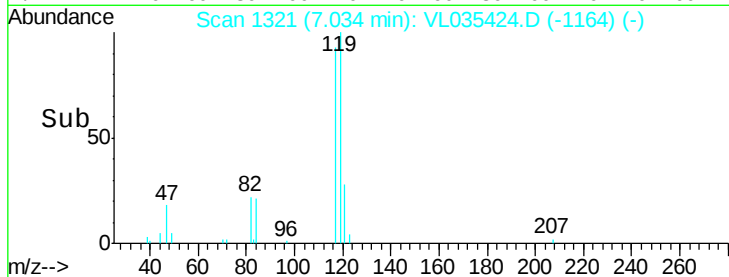
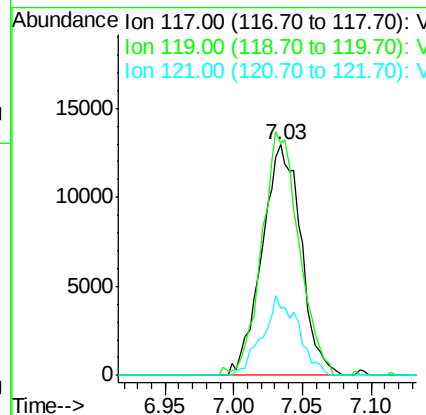
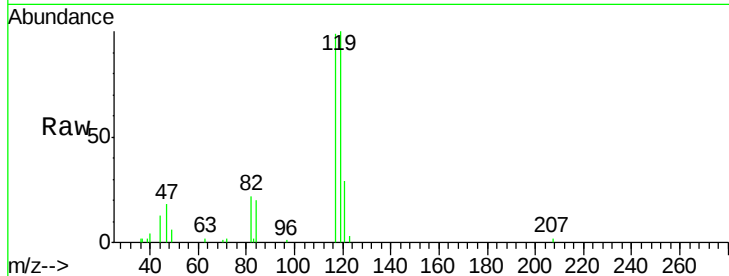
ClientSampleId :

VSTDIC0.1

Tot Ion:117	Resp:	25427
Ion Ratio	Lower	Upper
117 100		
119 100.9	76.1	114.1
121 29.3	25.5	38.3

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#38

Trichloroethene

Concen: 0.112 ppbv

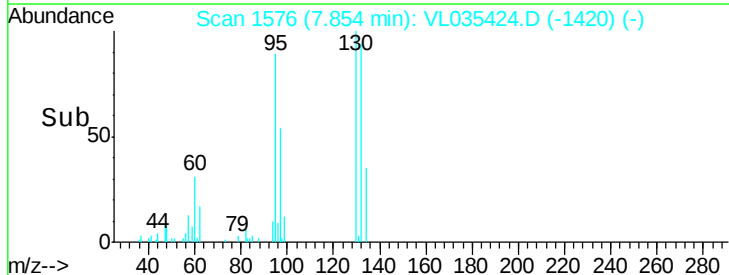
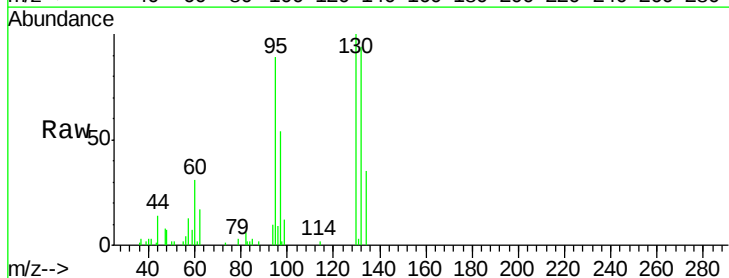
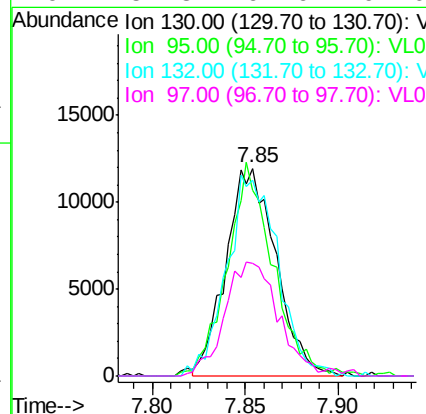
RT: 7.85 min Scan# 1576

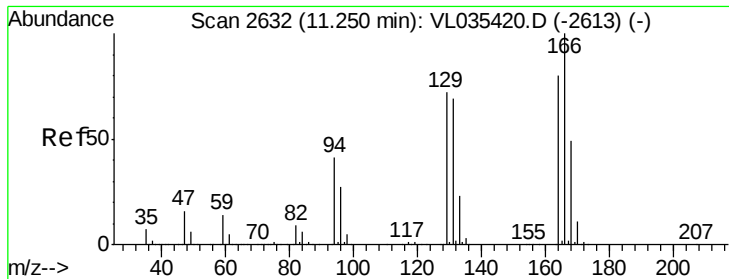
Delta R.T. 0.00 min

Lab File: VL035424.D

Acq: 17 Aug 2020 16:45

Tgt Ion:130	Resp:	22445
Ion Ratio	Lower	Upper
130 100		
95 87.4	95.8	143.8#
132 92.6	74.3	111.5
97 52.8	62.6	94.0#





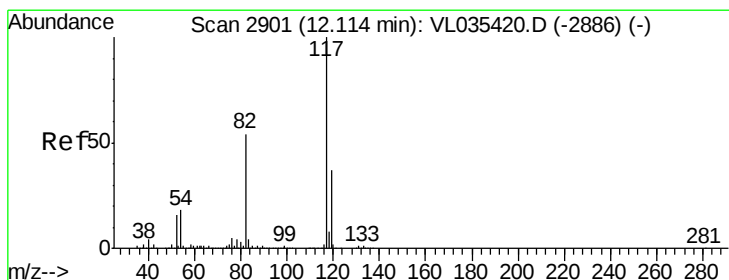
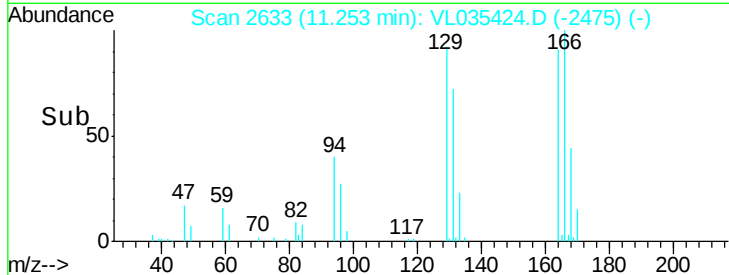
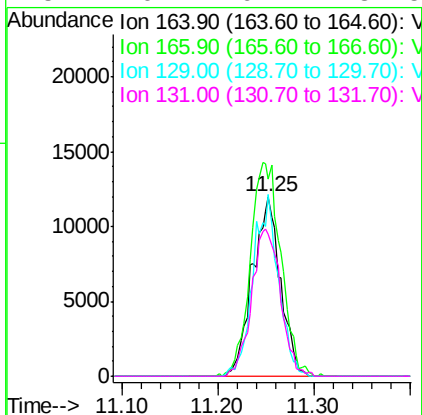
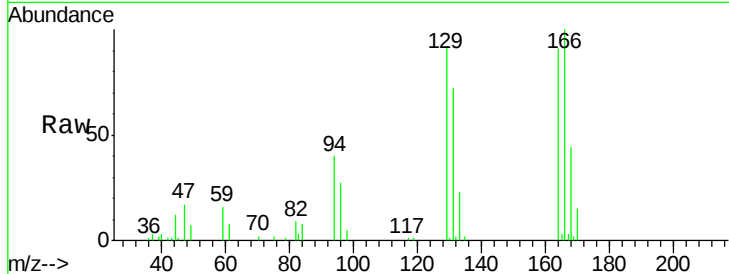
#52
Tetrachloroethene
Concen: 0.132 ppbv m
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035424.D
Acq: 17 Aug 2020 16:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tot Ion	Ratio	Lower	Upper
164	100		
166	109.6	103.4	155.0
129	101.4	90.2	135.4
131	79.4	91.7	137.5

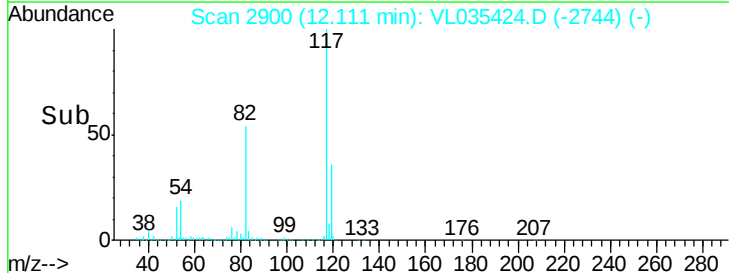
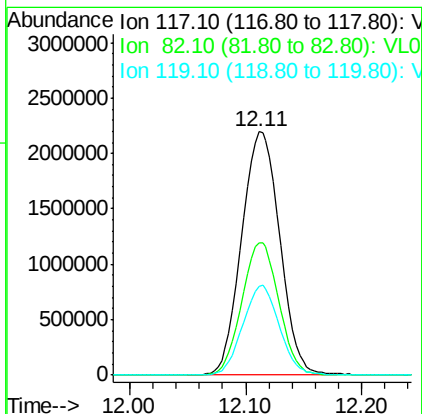
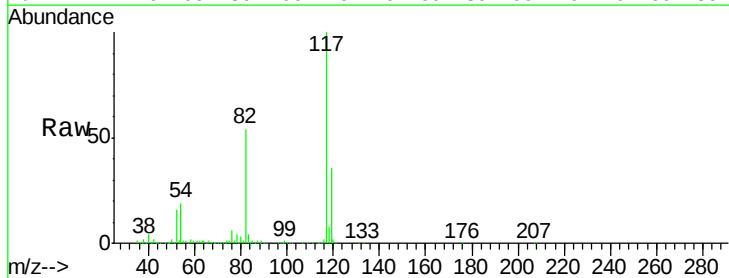
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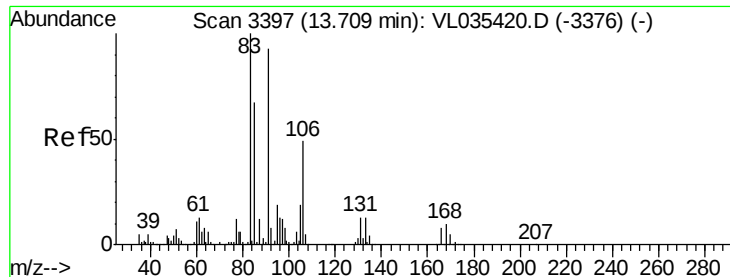
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035424.D
Acq: 17 Aug 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.1	57.4	86.0
119	35.4	28.4	42.6





#63

1,1,2,2-Tetrachloroethane

Concen: 0.072 ppbv m

RT: 13.72 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VL035424.D

Acq: 17 Aug 2020 16:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tot Ion: 83 Resp: 38563

Ion Ratio Lower Upper

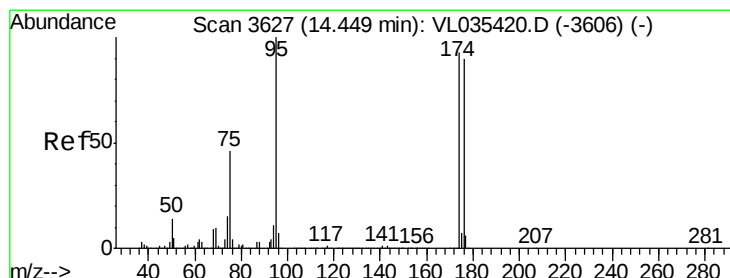
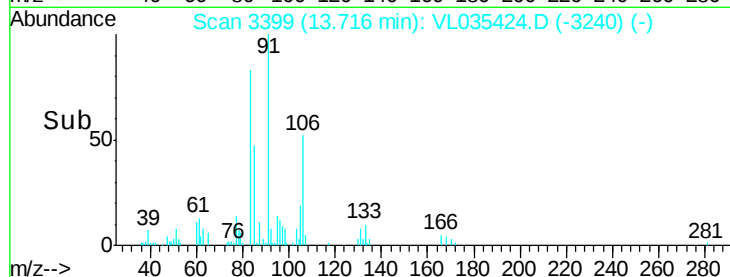
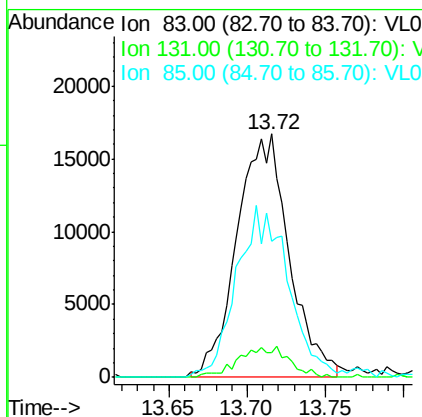
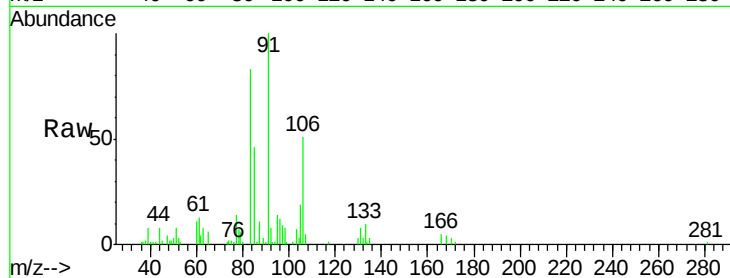
83 100

131 0.0 4.5 13.4#

85 71.9 32.7 98.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 8.497 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VL035424.D

Acq: 17 Aug 2020 16:45

Tgt Ion: 95 Resp: 3630890

Ion Ratio Lower Upper

95 100

174 96.3 44.0 66.0#

175 7.1 3.2 4.8#

